

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/813,859  
Source: 1FWO  
Date Processed by STIC: 11/15/04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/813,859

DATE: 11/15/2004

TIME: 15:22:48

Input Set : D:\5032DIV.ST25.txt

Output Set: N:\CRF4\11152004\J813859.raw

3 <110> APPLICANT: Genzyme Corporation  
 4 Charles, Nicolette A.  
 6 <120> TITLE OF INVENTION: THERAPEUTIC COMPOUNDS FOR OVARIAN CANCER  
 8 <130> FILE REFERENCE: 5032US-DIV  
 10 <140> CURRENT APPLICATION NUMBER: US 10/813,859  
 11 <141> CURRENT FILING DATE: 2004-03-31  
 13 <150> PRIOR APPLICATION NUMBER: US 09/870,089  
 14 <151> PRIOR FILING DATE: 2001-05-31  
 16 <160> NUMBER OF SEQ ID NOS: 14  
 18 <170> SOFTWARE: PatentIn version 3.2  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 2015  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Homo sapiens  
 25 <400> SEQUENCE: 1

P.6

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28	ccccgcct	cagggccac	ggccaccatg	gcgtattagg	ggcagcagtg	cctgcggcag	120
30	cattggcctt	tgcagcggcg	gcagcagcac	caggctctgc	agcggcaacc	cccagcggct	180
32	taagccatgg	cgtgagtacc	ggggcggtgc	gtccagctgt	gtcctctggg	ccggcgcggg	240
34	ttttggattg	gtgggggtgc	gcctggggcc	agggcggtgc	cgccaagggg	gaagcgattt	300
36	aacgagcgcc	cgggacgcgt	ggtctttgct	tgggtgtccc	cgagacgctc	gcgtgcctgg	360
38	gatcgggaaa	gcgtagtcgg	gtgcccgac	tgcttcccca	ggagccctac	agccctcgga	420
40	ccccgagccc	cgcaaggtcc	caggggtctt	ggctgttgcc	ccacgaaacg	tgcaggaacc	480
42	aagatggcgg	cggcagggcg	gcggcgcggg	cgtgagtcaa	gggcgggcgg	tgggcggggc	540
44	gcggccgctg	gccgtatttg	gacgtgggga	cggagcgctt	tcctcttggc	ggccggtgga	600
46	agaatcccct	ggtctccgtg	agcgtccatt	ttgtggaacc	tgagttgcaa	gcaggagagg	660
48	gcaaatacaa	ctgccctggt	cccgaattctc	tagatggccg	atctagagaa	gtcccgcctc	720
50	ataagtggaa	ggatgaaatt	ctcagaacag	ctaacctcta	atgggagttg	gcttctgatt	780
52	ctcattcagg	cttctcacgg	cattcagcag	cagcgttgct	gtaaccgaca	aagacacctt	840
54	cgaattaagc	acattcctcg	attccagcaa	agcaccgcaa	catgaccgaa	atgagcttcc	900
56	tgagcagcga	ggtgttggtg	ggggacttga	tgtccccctt	cgaccgcgtc	ggtttggggg	960
58	ctgaagaaa	cctaggtctc	ttagatgatt	acctggaggt	ggccaagcac	ttcaaacctc	1020
60	atgggttctc	cagcgacaag	gctaaggcgg	gtcctccga	atggctggct	gtggatgggt	1080
62	tggtcagtcc	ctccaacaac	agcaaggagg	atgccttctc	cgggacagat	tggatgttgg	1140
64	agaaaatgga	tttgaaggag	ttcgacttgg	atgcctgtt	gggtatagat	gacctggaaa	1200
66	ccatgccaga	tgaccttctg	accacgttgg	atgacacttg	tgatctcttt	gcccccttag	1260
68	tccaggagac	taataagcag	cccccccaga	cgggtgaaccc	aattggccat	ctcccagaaa	1320
70	gtttaacaaa	acccgaccag	gttgccccct	tcaccttctt	acaacctctt	cccccttccc	1380
72	caggggtcct	gtcctccact	ccagatcatt	ccttttagttt	agagctgggc	agtgaagtgg	1440
74	atatcactga	aggagatagg	aagccagact	acactgctta	cgttgccatg	atccctcagt	1500
76	gcataaagga	ggaagacacc	ccttcagata	atgatagtgg	catctgtatg	agcccagagt	1560
78	cctatctggg	gtctcctcag	cacagcccct	ctaccagggg	ctctccaaat	aggagcctcc	1620
80	catctccagg	tgttctctgt	gggtctgccc	gtcccaaacc	ttacgatcct	cctggagaga	1680

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82 agatggtagc agcaaaagta aagggtgaga aactggataa gaagctgaaa aaaatggagc 1740
84 aaaacaagac agcagccact aggtaccgcc agaagaagag ggcggagcag gaggtcttta 1800
86 ctggtgagtg caaagagctg gaaaagaaga acgaggctct aaaagagagg gcggattccc 1860
88 tggccaagga gatccagtac ctgaaagatt tgatagaaga ggtccgcaag gcaaggggga 1920
90 agaaaagggt cccctagttg aggatagtca ggagcgtcaa tgtgcttgta catagagtgc 1980
92 tgtagctgtg tgttccaata aattattttg taggg 2015
95 <210> SEQ ID NO: 2
96 <211> LENGTH: 351
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 2
102 Met Thr Glu Met Ser Phe Leu Ser Ser Glu Val Leu Val Gly Asp Leu
103 1 5 10 15
106 Met Ser Pro Phe Asp Pro Ser Gly Leu Gly Ala Glu Glu Ser Leu Gly
107 20 25 30
110 Leu Leu Asp Asp Tyr Leu Glu Val Ala Lys His Phe Lys Pro His Gly
111 35 40 45
114 Phe Ser Ser Asp Lys Ala Lys Ala Gly Ser Ser Glu Trp Leu Ala Val
115 50 55 60
118 Asp Gly Leu Val Ser Pro Ser Asn Asn Ser Lys Glu Asp Ala Phe Ser
119 65 70 75 80
122 Gly Thr Asp Trp Met Leu Glu Lys Met Asp Leu Lys Glu Phe Asp Leu
123 85 90 95
126 Asp Ala Leu Leu Gly Ile Asp Asp Leu Glu Thr Met Pro Asp Asp Leu
127 100 105 110
130 Leu Thr Thr Leu Asp Asp Thr Cys Asp Leu Phe Ala Pro Leu Val Gln
131 115 120 125
134 Glu Thr Asn Lys Gln Pro Pro Gln Thr Val Asn Pro Ile Gly His Leu
135 130 135 140
138 Pro Glu Ser Leu Thr Lys Pro Asp Gln Val Ala Pro Phe Thr Phe Leu
139 145 150 155 160
142 Gln Pro Leu Pro Leu Ser Pro Gly Val Leu Ser Ser Thr Pro Asp His
143 165 170 175
146 Ser Phe Ser Leu Glu Leu Gly Ser Glu Val Asp Ile Thr Glu Gly Asp
147 180 185 190
150 Arg Lys Pro Asp Tyr Thr Ala Tyr Val Ala Met Ile Pro Gln Cys Ile
151 195 200 205
154 Lys Glu Glu Asp Thr Pro Ser Asp Asn Asp Ser Gly Ile Cys Met Ser
155 210 215 220
158 Pro Glu Ser Tyr Leu Gly Ser Pro Gln His Ser Pro Ser Thr Arg Gly
159 225 230 235 240
162 Ser Pro Asn Arg Ser Leu Pro Ser Pro Gly Val Leu Cys Gly Ser Ala
163 245 250 255
166 Arg Pro Lys Pro Tyr Asp Pro Pro Gly Glu Lys Met Val Ala Ala Lys
167 260 265 270
170 Val Lys Gly Glu Lys Leu Asp Lys Lys Leu Lys Lys Met Glu Gln Asn
171 275 280 285
174 Lys Thr Ala Ala Thr Arg Tyr Arg Gln Lys Lys Arg Ala Glu Gln Glu
175 290 295 300

```

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178 Ala Leu Thr Gly Glu Cys Lys Glu Leu Glu Lys Lys Asn Glu Ala Leu  
 179 305 310 315 320  
 182 Lys Glu Arg Ala Asp Ser Leu Ala Lys Glu Ile Gln Tyr Leu Lys Asp  
 183 325 330 335  
 186 Leu Ile Glu Glu Val Arg Lys Ala Arg Gly Lys Lys Arg Val Pro  
 187 340 345 350

190 &lt;210&gt; SEQ ID NO: 3

191 &lt;211&gt; LENGTH: 9

192 &lt;212&gt; TYPE: PRT

193 &lt;213&gt; ORGANISM: Artificial Sequence

195 &lt;220&gt; FEATURE:

196 &lt;223&gt; OTHER INFORMATION: ATF4/CREB-2

198 &lt;400&gt; SEQUENCE: 3

200 Phe Leu Tyr Lys Trp His Gly Phe Val

201 1 5

204 &lt;210&gt; SEQ ID NO: 4

205 &lt;211&gt; LENGTH: 27

206 &lt;212&gt; TYPE: DNA

207 &lt;213&gt; ORGANISM: Artificial Sequence

209 &lt;220&gt; FEATURE:

210 &lt;223&gt; OTHER INFORMATION: ATF4/CREB-2

213 &lt;220&gt; FEATURE:

214 &lt;221&gt; NAME/KEY: misc\_feature

215 &lt;222&gt; LOCATION: (6)..(6)

216 &lt;223&gt; OTHER INFORMATION: n is a, c, g, or t

218 &lt;220&gt; FEATURE:

219 &lt;221&gt; NAME/KEY: misc\_feature

220 &lt;222&gt; LOCATION: (21)..(21)

221 &lt;223&gt; OTHER INFORMATION: n is a, c, g, or t

223 &lt;220&gt; FEATURE:

224 &lt;221&gt; NAME/KEY: misc\_feature

225 &lt;222&gt; LOCATION: (27)..(27)

226 &lt;223&gt; OTHER INFORMATION: n is a, c, g, or t

228 &lt;400&gt; SEQUENCE: 4

W--&gt; 229 ttyytnaya artggcaygg nttygtn

27

232 &lt;210&gt; SEQ ID NO: 5

233 &lt;211&gt; LENGTH: 9

234 &lt;212&gt; TYPE: PRT

235 &lt;213&gt; ORGANISM: Artificial Sequence

237 &lt;220&gt; FEATURE:

238 &lt;223&gt; OTHER INFORMATION: ATF4/CREB-2

240 &lt;400&gt; SEQUENCE: 5

242 Phe Leu His Lys Val His Phe Tyr Val

243 1 5

246 &lt;210&gt; SEQ ID NO: 6

247 &lt;211&gt; LENGTH: 27

248 &lt;212&gt; TYPE: DNA

249 &lt;213&gt; ORGANISM: Artificial Sequence

251 &lt;220&gt; FEATURE:

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Input Set : D:\5032DIV.ST25.txt

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252 <223> OTHER INFORMATION: ATF4/CREB-2
255 <220> FEATURE:
256 <221> NAME/KEY: misc_feature
257 <222> LOCATION: (6)..(6)
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260 <220> FEATURE:
261 <221> NAME/KEY: misc_feature
262 <222> LOCATION: (15)..(15)
263 <223> OTHER INFORMATION: n is a, c, g, or t
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: (27)..(27)
268 <223> OTHER INFORMATION: n is a, c, g, or t
270 <400> SEQUENCE: 6
W--> 271 tyytncaya argtncaytt ytaygtn 27
274 <210> SEQ ID NO: 7
275 <211> LENGTH: 9
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: ATF4/CREB-2
282 <400> SEQUENCE: 7
284 Phe Leu His Lys Trp His Trp Val Val
285 1 5
288 <210> SEQ ID NO: 8
289 <211> LENGTH: 27
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: ATF4/CREB-2
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <222> LOCATION: (6)..(6)
300 <223> OTHER INFORMATION: n is a, c, g, or t
302 <220> FEATURE:
303 <221> NAME/KEY: misc_feature
304 <222> LOCATION: (24)..(24)
305 <223> OTHER INFORMATION: n is a, c, g, or t
307 <220> FEATURE:
308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (27)..(27)
310 <223> OTHER INFORMATION: n is a, c, g, or t
312 <400> SEQUENCE: 8
W--> 313 tyytncaya artggcaytg ggtnngtn 27
316 <210> SEQ ID NO: 9
317 <211> LENGTH: 9
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:

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322 <223> OTHER INFORMATION: ATF4/CREB-2
324 <400> SEQUENCE: 9
326 Phe Leu His Lys Trp His Trp Tyr Val
327 1 5
330 <210> SEQ ID NO: 10
331 <211> LENGTH: 27
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: ATF4/CREB-2
339 <220> FEATURE:
340 <221> NAME/KEY: misc_feature
341 <222> LOCATION: (6)..(6)
342 <223> OTHER INFORMATION: n is a, c, g, or t
344 <220> FEATURE:
345 <221> NAME/KEY: misc_feature
346 <222> LOCATION: (27)..(27)
347 <223> OTHER INFORMATION: n is a, c, g, or t
349 <400> SEQUENCE: 10
W--> 350 ttttncaya artggcaytg gtaygtn 27
353 <210> SEQ ID NO: 11
354 <211> LENGTH: 9
355 <212> TYPE: PRT
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: ATF4/CREB-2
361 <400> SEQUENCE: 11
363 Phe Leu His Lys Val His Tyr Leu Val
364 1 5
367 <210> SEQ ID NO: 12
368 <211> LENGTH: 27
369 <212> TYPE: DNA
370 <213> ORGANISM: Artificial Sequence
372 <220> FEATURE:
373 <223> OTHER INFORMATION: ATF4/CREB-2
376 <220> FEATURE:
377 <221> NAME/KEY: misc_feature
378 <222> LOCATION: (6)..(6)
379 <223> OTHER INFORMATION: n is a, c, g, or t
381 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
383 <222> LOCATION: (15)..(15)
384 <223> OTHER INFORMATION: n is a, c, g, or t
386 <220> FEATURE:
387 <221> NAME/KEY: misc_feature
388 <222> LOCATION: (22)..(22)
389 <223> OTHER INFORMATION: n is a, c, g, or t
391 <220> FEATURE:
392 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 6,21,27  
Seq#:6; N Pos. 6,15,27  
Seq#:8; N Pos. 6,24,27  
Seq#:10; N Pos. 6,27  
Seq#:12; N Pos. 6,15,22,24,27  
Seq#:14; N Pos. 15,21,27

## VERIFICATION SUMMARY

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L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
L:441 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0